

BE #9

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/787,184

DATE: 08/30/2001

TIME: 09:57:46

Input Set : A:\ES.txt

Output Set: N:\CRF3\08302001\I787184.raw

ENTERED

3 <110> APPLICANT: Cowsert, Lex M.
 5 <120> TITLE OF INVENTION: ANTISENSE MODULATION OF RhoB EXPRESSION
 7 <130> FILE REFERENCE: RTSP-0104
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/787,184
 C--> 9 <141> CURRENT FILING DATE: 2001-03-15
 9 <150> PRIOR APPLICATION NUMBER: 09/156,979
 10 <151> PRIOR FILING DATE: 1998-09-18
 12 <160> NUMBER OF SEQ ID NOS: 47
 14 <210> SEQ ID NO: 1
 15 <211> LENGTH: 591
 16 <212> TYPE: DNA
 17 <213> ORGANISM: Homo sapiens
 19 <220> FEATURE:
 20 <221> NAME/KEY: CDS
 21 <222> LOCATION: (1)..(591)
 23 <400> SEQUENCE: 1

24	atg gcg gcc atc cgc aag aag ctg gtg gtg gtg ggc gac ggc gcg tgt	48
25	Met Ala Ala Ile Arg Lys Lys Leu Val Val Val Gly Asp Gly Ala Cys	
26	1 5 10 15	
28	ggc aag acg tgc ctg ctg atc gtg ttc agt aag gac gag ttc ccc gag	96
29	Gly Lys Thr Cys Leu Leu Ile Val Phe Ser Lys Asp Glu Phe Pro Glu	
30	20 25 30	
32	gtg tac gtg ccc acc gtc ttc gag aac tat gtg gcc gac att gag gtg	144
33	Val Tyr Val Pro Thr Val Phe Glu Asn Tyr Val Ala Asp Ile Glu Val	
34	35 40 45	
36	gac ggc aag cag gtg gag ctg gcg ctg tgg gac acg gcg ggc cag gag	192
37	Asp Gly Lys Gln Val Glu Ala Leu Trp Asp Thr Ala Gly Gln Glu	
38	50 55 60	
40	gac tac gac cgc ctg cgg ccg ctc tcc tac ccg gac acc gac gtc att	240
41	Asp Tyr Asp Arg Leu Arg Pro Leu Ser Tyr Pro Asp Thr Asp Val Ile	
42	65 70 75 80	
44	ctc atg tgc ttc tgc gtg gac agc ccg gac tgc ctg gag aac atc ccc	288
45	Leu Met Cys Phe Ser Val Asp Ser Pro Asp Ser Leu Glu Asn Ile Pro	
46	85 90 95	
48	gag aag tgg gtc ccc gag gtg aag cac ttc tgt ccc aat gtg ccc atc	336
49	Glu Lys Trp Val Pro Glu Val Lys His Phe Cys Pro Asn Val Pro Ile	
50	100 105 110	
52	atc ctg gtg gcc aac aaa aaa gac ctg cgc agc gac gag cat gtc cgc	384
53	Ile Leu Val Ala Asn Lys Lys Asp Leu Arg Ser Asp Glu His Val Arg	
54	115 120 125	
56	aca gag ctg gcc cgc atg aag cag gaa ccc gtg cgc acg gat gac ggc	432
57	Thr Glu Leu Ala Arg Met Lys Gln Glu Pro Val Arg Thr Asp Asp Gly	
58	130 135 140	
60	cgc gcc atg gcc gtg cgc atc caa gcc tac gac ctc gag tgc tct	480
61	Arg Ala Met Ala Val Arg Ile Gln Ala Tyr Asp Tyr Leu Glu Cys Ser	
62	145 150 155 160	
64	gcc aag acc aag gaa ggc gtg cgc gag gtc ttc gag acg gcc acg cgc	528

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```

65   Ala Lys Thr Lys Glu Gly Val Arg Glu Val Phe Glu Thr Ala Thr Arg
66                               165                               170                               175
68   gcc gcg ctg cag aag cgc tac ggc tcc cag aac ggc tgc atc aac tgc      576
69   Ala Ala Leu Gln Lys Arg Tyr Gly Ser Gln Asn Gly Cys Ile Asn Cys
70                               180                               185                               190
72   tgc aag gtg cta tga                                              591
73   Cys Lys Val Leu
74                               195
77 <210> SEQ ID NO: 2
78 <211> LENGTH: 25
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Synthetic
85 <400> SEQUENCE: 2
86   tgatcgtgtt cagtaaggac gagtt                                     25
89 <210> SEQ ID NO: 3
90 <211> LENGTH: 18
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Synthetic
97 <400> SEQUENCE: 3
98   cgccagctcc acctgctt                                           18
101 <210> SEQ ID NO: 4
102 <211> LENGTH: 29
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Synthetic
109 <400> SEQUENCE: 4
110   tcttcgagaa ctatgtggcc gacattgag                                29
113 <210> SEQ ID NO: 5
114 <211> LENGTH: 19
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Synthetic
121 <400> SEQUENCE: 5
122   gaagggtgaag gtcggagtc                                         19
125 <210> SEQ ID NO: 6
126 <211> LENGTH: 20
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Synthetic
133 <400> SEQUENCE: 6
134   gaagatggtg atgggatttc                                         20
137 <210> SEQ ID NO: 7

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138 <211> LENGTH: 20
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Synthetic
145 <400> SEQUENCE: 7
146     caagcttccc gttctcagcc                                20
149 <210> SEQ ID NO: 8
150 <211> LENGTH: 18
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Synthetic
157 <400> SEQUENCE: 8
158     ccaccaccag cttcttgc                                18
161 <210> SEQ ID NO: 9
162 <211> LENGTH: 18
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Synthetic
169 <400> SEQUENCE: 9
170     ccgtcgccca ccaccacc                                18
173 <210> SEQ ID NO: 10
174 <211> LENGTH: 18
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Synthetic
181 <400> SEQUENCE: 10
182     gcacgtcttg ccacacgc                                18
185 <210> SEQ ID NO: 11
186 <211> LENGTH: 18
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Synthetic
193 <400> SEQUENCE: 11
194     actgaacacg atcagcag                                18
197 <210> SEQ ID NO: 12
198 <211> LENGTH: 18
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Synthetic
205 <400> SEQUENCE: 12
206     ttactgaaca cgatcagc                                18
209 <210> SEQ ID NO: 13
210 <211> LENGTH: 18

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```

211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Synthetic
217 <400> SEQUENCE: 13
218      ccttactgaa cacgatca                                18
221 <210> SEQ ID NO: 14
222 <211> LENGTH: 18
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Synthetic
229 <400> SEQUENCE: 14
230      gtccttactg aacacgat.                                18
233 <210> SEQ ID NO: 15
234 <211> LENGTH: 18
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Synthetic
241 <400> SEQUENCE: 15
242      ctcgctcctta ctgaacac                                18
245 <210> SEQ ID NO: 16
246 <211> LENGTH: 18
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Synthetic
253 <400> SEQUENCE: 16
254      aactcgtcct tactgaac                                18
257 <210> SEQ ID NO: 17
258 <211> LENGTH: 18
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Synthetic
265 <400> SEQUENCE: 17
266      catagttctc gaagacgg                                18
269 <210> SEQ ID NO: 18
270 <211> LENGTH: 18
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Synthetic
277 <400> SEQUENCE: 18
278      tcggccacat agttctcg                                18
281 <210> SEQ ID NO: 19
282 <211> LENGTH: 18
283 <212> TYPE: DNA

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```

284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Synthetic
289 <400> SEQUENCE: 19
290     ccgtccacct caatgtcg                                     18
293 <210> SEQ ID NO: 20
294 <211> LENGTH: 18
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: Synthetic
301 <400> SEQUENCE: 20
302     aagcacatga gaatgacg                                     18
305 <210> SEQ ID NO: 21
306 <211> LENGTH: 18
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: Synthetic
313 <400> SEQUENCE: 21
314     gagtccgggc tgtccacc                                     18
317 <210> SEQ ID NO: 22
318 <211> LENGTH: 18
319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: Synthetic
325 <400> SEQUENCE: 22
326     atgttctcca gcgagtcc                                     18
329 <210> SEQ ID NO: 23
330 <211> LENGTH: 18
331 <212> TYPE: DNA
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: Synthetic
337 <400> SEQUENCE: 23
338     gggatgttct ccagcgag                                     18
341 <210> SEQ ID NO: 24
342 <211> LENGTH: 18
343 <212> TYPE: DNA
344 <213> ORGANISM: Artificial Sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: Synthetic
349 <400> SEQUENCE: 24
350     gacatgctcg tcgctgcg                                     18
353 <210> SEQ ID NO: 25
354 <211> LENGTH: 18
355 <212> TYPE: DNA
356 <213> ORGANISM: Artificial Sequence

```

VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date